

## **SECTION 01 33 43 ABATEMENT SUBMITTALS**

### **PART 1 - GENERAL**

#### **1.01 DESCRIPTION**

- A.** Make submittals required by the Contract Documents in a timely manner and at appropriate times to allow for sufficient review by Designer. Revise and resubmit as necessary to establish compliance with the specified requirements.

#### **1.02 WORK INCLUDED**

- A.** Submit complete bound sets of the submittals required in the Contract Documents. Submit separate sets entitled "Pre-Job Submittals" and "Post-Job Submittals".
- B.** Update submittals to Designer on a weekly basis to account for all new equipment and employees used on the Project.
- C.** Submit three (3) complete sets of "Pre-Job Submittals" to Designer for review, at the pre-construction meeting. The Work may not proceed until the complete pre-job submittal package has been reviewed and accepted by Designer.
- D.** Submit three (3) complete sets of "Post-Job Submittals" to Designer for review, following the final inspection of Work. Requests for final payment will not be approved until Post-Job Submittal package has been reviewed and accepted by Designer.
- E.** Identify individual submittals by name and include a table of contents in each submittal package.

#### **1.03 QUALITY ASSURANCE:**

- A.** Carefully review and coordinate the various aspects of each item being submitted.
- B.** Verify that each submittal conforms with specified requirements.
- C.** Certify, by affixing signature of Contractor's authorized representative to the corner of each submittal package, that this review, coordination, and verification has taken place.

#### **1.04 PRE-JOB SUBMITTALS**

- A.** Proposed preliminary progress schedule for Work. Revise and submit progress schedule on weekly basis.
- B.** Notice of impending commencement of asbestos removal work in writing to the Pollution Control Division of the local Department of Health & Environment, or comparable local governmental agency having jurisdiction, and to the:  
Tennessee Department of Environment and Conservation  
Divisions of Air Pollution Control  
9th Floor L&C Tower  
401 Church Street  
Nashville, Tennessee 37243-1534
- C.** Comply with the applicable notice period set forth in EPA 40CFR 51.146. Include one copy of notifications in submittal package along with Certified Mail Receipt of Notification to aforementioned agencies. If time from signing of Contract to scheduled start of work is less than applicable notice period, seek waiver of notice period. Without written approval from all of said agencies, do not shorten applicable notice period.

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- D.** All required permits, site location, and arrangements for transport and disposal of asbestos-containing or contaminated materials. Submit notarized certification that landfill site to be used meets all Environmental Protection Agency regulatory standards.
- E.** Building permits required by local governmental jurisdiction for the construction or demolition work required during progress of Work.
- F.** Manufacturer's specifications for air cleaning, vacuum equipment, air handling equipment, special tools, and safety equipment to be utilized in Work.
- G.** Notarized certification that negative air filtration system to be utilized meets requirements of Contract Documents and applicable patents. Also, submit copies of manufacturer's specifications including rated flow capacity.
- H.** Notarized certification naming manufacturer of supplied-air (Type C) respirator equipment. Include certification of compliance with Occupational Safety and Health Administration, Environmental Protection Agency, and all other pertinent regulatory agencies. Include rated capacity of each type of equipment used.
- I.** Manufacturer's certification or independent test reports confirming that materials to be utilized in Work meet or exceed all performance criteria required by Specifications. Include certifications that replacement materials are one hundred percent (100%) asbestos-free. Include manufacturer's safety data sheets (MSDS) for all aerosol adhesives.
- J.** Written description, sketch, or combination thereof, of plans for construction of a worker and barrel/equipment decontamination enclosure system and for isolation of work areas in compliance with Contract Documents.
- K.** Descriptions of special equipment, techniques, etc., to be used in Work.
- L.** Asbestos abatement work procedures or practices to be utilized in Work.
- M.** Notarized listing of asbestos abatement supervisory personnel (including foremen) and their experience, qualifications and training.
- N.** Notarized listing of workers to be utilized in Work.
- O.** Individually signed and notarized "Respirator Training Certificate" form (SF-2) for each and every asbestos abatement worker to be utilized in the Work documenting that each is actively involved in a company employee respirator protection program and has had appropriate training in respiratory protection.
- P.** Notarized certification that each and every asbestos abatement worker to be utilized in Work is actively involved in an employee medical surveillance program. Include copies of each employee's medical examination records.
- Q.** Individually signed and notarized "Certificate of Worker's Release" forms (SF-3) for each and every asbestos abatement worker to be utilized in the Work documenting that each acknowledges and understands their employment in connection with removal and disposal of asbestos-containing materials, the inherent risks of such work, and agreement to assuming these risks.
- R.** Specimen copy of asbestos abatement worker Sign In/Out Log form to be used.
- S.** Written description, and sketch, of security plan to be utilized.
- T.** Identification of disposal site proposed for use in disposing of asbestos-containing debris generated in Work. Include owner/operator, address and telephone number.

## **1.05 POST-JOB SUBMITTALS**

- A.** Certificate of Completion.
- B.** Copy of supplied-air (Type C) respirator equipment test results, obtained during course of Work signed by an independent testing laboratory competent in this field, that air supplied by this equipment is Grade D or better.
- C.** Alphabetical listing of each employee used in Work and exact dates on which present in asbestos abatement work areas.
- D.** Notarized copy of employee air monitoring results relative to Occupational Health and Safety Administration respiratory protection level compliance.
- E.** Medical exams, worker release forms, asbestos training certification forms, and respirator training documentation of all new employees performing asbestos abatement on the Project.
- F.** Notarized copy of Sign In/Out Log showing the following: date, name, social security number, entering and leaving time, company or agency represented and reason for entry for all persons entering work areas.
- G.** List of extra materials stock.
- H.** Notarized asbestos waste log showing date, type of container removed from work area, signature of recorder, and time of day.
- I.** Map of landfill locating exact dump areas within landfill wherein asbestos materials were disposed.

## **PART 2 - PRODUCTS: not used.**

## **PART 3 - EXECUTION**

### **3.01 IDENTIFICATION OF SUBMITTALS**

- A.** Number consecutively and clearly identify submittals. Show identification on at least the first page of each submittal, and elsewhere as necessary for positive identification of submittal.
- B.** Accompany each submittal package with letter of transmittal showing information required for identification and checking.

### **3.02 TIMING OF SUBMITTALS**

- A.** Make submittals far enough in advance of scheduled dates of commencement, execution, or installation to provide time required for reviews, for securing necessary approvals, for possible revisions and resubmittals, and for placing orders and securing delivery.
- B.** Accept responsibility for delays resulting from incomplete submittal packages.

### **3.03 DESIGNER'S REVIEW**

- A.** Partial submittals may be rejected for non-compliance with Contract Documents.
- B.** Review by Designer does not relieve Contractor from responsibility for errors which may exist in submitted data.
- C.** Make revisions when required by Designer and resubmit for review.

### **3.04 PAYMENT FOR REVIEW**

- A.** Initial Services: Owner will pay for initial review and first subsequent review, if required.
- B.** Subsequent Reviews: Costs of Designer's additional services associated with reviews required beyond first subsequent review will be responsibility of Contractor, and Owner may deduct corresponding amounts from Contract Sum by appropriate Modification.

**END OF SECTION**